

GRAPHICAL DESIGN AND AUTOMATIC GENERATION OF  
SUPPLY CHAIN COLLABORATION SERVICES CAPABLE OF  
UNDERSTANDING SUPPLY CHAIN SEMANTICS

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ABSTRACT OF THE DISCLOSURE

10 A computer-implemented system for graphical design and automatic  
generation of supply chain collaboration services capable of understanding supply  
chain semantics includes a collaboration service designer and a collaboration service  
generator. The collaboration service designer provides a graphical user interface  
(GUI), solicits from a user, using the GUI, information regarding the design for the  
supply chain collaboration service in a sequence of design steps, receives from the  
user, using the GUI, the solicited information, and generates a file based on the  
received information that contains a meta-model for the supply chain collaboration  
15 service. The collaboration service generator accesses the file containing the meta-  
model for the supply chain collaboration service. The collaboration service generator,  
using the meta-model, automatically generates the supply chain collaboration service,  
which is capable of understanding of supply chain semantics for an underlying supply  
chain.

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